BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2022-23/OW/WORK_INDENT53019

APPROVED SCHEDULE - B

No.EE/BTP/BBMP/E-PMT/13/2022-23, Date: 23-08-2022

Name of Work: Desilting of drains Construction of tank and providing pumpset for De-Watering in flood areas in ward no 06, Byatarayanapura Sub Division.

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of MACHA BHUVANAHALLY LAKSHMANAGOWDA DHANANJAYA	
				In Figures	In Words
1	674.26	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m	cum	213.0	Rupees Two Hundred Thirteen Only
2	26.82	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.	cum	2817.0	Rupees Two Thousand Eight Hundred Seventeen Only
3	47.17	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.	cum	6109.0	Rupees Six Thousand One Hundred Nine Only
4	227.78	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	1315.0	Rupees One Thousand Three Hundred Fifteen Only
5	122.06	Providing Flush / Ruled/ Struck or weathered pointing Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineerin- charge .	sqm	151.0	Rupees One Hundred Fifty One Only
6	20.95	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA).	Cum	7892.0	Rupees Seven Thousand Eight Hundred Ninety Two Only
7	64.35	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)	Cum	6893.0	Rupees Six Thousand Eight Hundred Ninety Three Only
8	2513.79	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately).	kg	105.0	Rupees One Hundred Five Only
9	3.86	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200	tonne	101387.0	Rupees One Hundred One Thousand Three Hundred Eighty Seven Only

Signature of the Contractor

Executive Engineer

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Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of MACHA BHUVANAHALLY LAKSHMANAGOWDA DHANANJAYA	
				In Figures	In Words
10	153	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)	sqm	2072.0	Rupees Two Thousand Seventy Two Only
11	24	Providing and Fixing Pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)	Sqm	5037.0	Rupees Five Thousand Thirty Seven Only
12	674.26	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)	Cum	81.1	Rupees Eighty One and Ten Paise Only
13	674.26	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km	t.Km	115.0	Rupees One Hundred Fifteen Only
14	1	Providing Lubi make 10 HP 3 Phase dewatering submersible pump with outlet 4" (As per market rate)	No	106525.0	Rupees One Hundred Six Thousand Five Hundred Twenty Five Only
15	2	Providing Lubi make 15 HP 3 Phase dewatering submersible pump with outlet 6" LHP 61535 @ 8 mtrs 240 m3/hr=4000lpm (As per market rate)	No	191550.0	Rupees One Hundred Ninety One Thousand Five Hundred Fifty Only
16	3	Providing and fixing MS cover with frame made up of L angle of size 1.20 mx1.20 m (market rate)	No	15000.0	Rupees Fifteen Thousand Only
17	3	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work.	Job	6334.0	Rupees Six Thousand Three Hundred Thirty Four Only
18	15	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. for:(Water supply & UGD works common shedule of rate 2021-22 Vol-V Page No 134, Item No.1.90) PVC pipes 110mm dia., 6 kg/sqcm & class 3 m	mtr	394.0	Rupees Three Hundred Ninety Four Only
19	30	PVC pipes 160mm dia., 6 kg/sqcm & class 3	mtr	599.0	Rupees Five Hundred Ninety Nine Only
20	3	Supply and delivery at site special moulded variety PVC elbows as per IS 7834/ 1987 and fabricated as per IG124/ 1984 with ISI mark with its latest amendments (Water supply & UGD works common shedule of rate 2021-22 Vol-V Page No 37, Item No. 7) 110 mm dia PVC Elbows	No	315.0	Rupees Three Hundred Fifteen Only
21	6	160 mm dia PVC Elbows	No	491.0	Rupees Four Hundred Ninety One Only
22	3	Supply and delivery at site special moulded variety PVC couplers as per IS 7834/ 1987 and fabricated as per IG124/ 1984 with ISI mark and with its latest mendments (Water supply & UGD works common shedule of rate 2021-22 Vol-V Page No 136, Item No. 6) 110mm dia PVC couplers	No	178.0	Rupees One Hundred Seventy Eight Only
23	6	160mm dia PVC couplers	No	349.0	Rupees Three Hundred Forty Nine Only
24	2	Supply and delivery at site GM (copper alloy) gate valves confirming to Class-I as per IS 778 with latest amendments, 1 No. screwed in bonnet inside screw, rising spring spindle integral seat screwed females ends confirming to IS 554/ 1990 body hydraulically tested 1.5HP seat standard tested 1 HP with IS mark.(Water supply & UGD works common shedule of rate 2021-22 Vol-V Page No 147, Item No. 16) For 100 mm dia GM (Copper alloy) Gate valves	No	1962.0	Rupees One Thousand Nine Hundred Sixty Two Only

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Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of MACHA BHUVANAHALLY LAKSHMANAGOWDA DHANANJAYA	
				In Figures	In Words
25	4	For 150 mm dia GM (Copper alloy) Gate valves	No	2622.0	Rupees Two Thousand Six Hundred Twenty Two Only
26	60	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm	Rmtr	150.0	Rupees One Hundred Fifty Only
27	60	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm.	Rmtr	11.8	Rupees Eleven and Eighty Paise Only
28	60	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2	Mtr	242.0	Rupees Two Hundred Forty Two Only
29	3	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP	Each	8640.0	Rupees Eight Thousand Six Hundred Forty Only
30	66000	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.	sq.cm	0.35	and Thirty Five Paise Only
31	1	Labour charges for erection of outdoor type panel board and meter board units all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work.	No	1390.5	Rupees One Thousand Three Hundred Ninety and Fifty Paise Only
32	3	Supply and fixing polished wood board made of not less than 15mm thick plankn both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5"	Nos	315.0	Rupees Three Hundred Fifteen Only

Signature of the Contractor

Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92
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